## IN THE CLAIMS:

Claims 9-18, 20-23, and 42-45 have been amended herein. Claims 46-50 have been added. Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

## **Listing of Claims:**

- 1-8. (canceled)
- 9. (Currently Amended) A device for establishing electrical contact with a lead element extending from an IC device, comprising:
- a one-piece substrate bounded by a first surface and an opposing, second surface and having at least one conductive trace, wherein saidthe first surface is configured for mounting a plurality of IC devices thereto;
- a spring contact including a <u>generally uncoiled</u> base portion and a contact portion, <u>saidthe</u> contact portion comprising a resiliently compressible coil spring comprising a plurality of coils configured to bias against and electrically contact a lead element of an IC device of <u>saidthe</u> plurality of IC devices, and <u>saidthe</u> base portion extending generally <u>longitudinal</u> <u>longitudinally</u> from <u>saidthe</u> contact portion and transversely to the coils of the coil spring; and
- an aperture including a seat portion opening onto saidthe first surface of saidthe one-piece substrate and a retaining portion having a substantially uniform interior size and a first end connected to an opposing end of saidthe seat portion and a second end of a smaller lateral extent than the seat portion extending a depth-at least partially into saidthe one-piece substrate therefrom, wherein the substantially uniform interior size of the retaining portion is smaller than an interior size of the seat portion at the first surface of the one-

piece substrate, saidthe seat portion of saidthe aperture sized and configured to at least partially contain saidthe contact portion of saidthe spring contact and support the coils of the coil spring during compression thereof, and saidthe retaining portion of saidthe aperture configured to receive and electrically connect saidthe base portion of saidthe spring contact to saidthe at least one conductive trace.

- 10. (Currently Amended) The device of claim 9, wherein saidthe second end of saidthe retaining portion does not extend entirely through saidthe one-piece substrate to saidthe opposing, second surface.
- 11. (Currently Amended) The device of claim 9, further comprising a layer of conductive material disposed on at least a portion of an interior wall of saidthe aperture, saidthe layer of conductive material electrically connecting saidthe base portion of saidthe spring contact to saidthe at least one conductive trace.
- 12. (Currently Amended) The device of claim 11, wherein saidthe at least one conductive trace is formed on saidthe first surface of saidthe one-piece substrate.
- 13. (Currently Amended) The device of claim 11, wherein saidthe at least one conductive trace is formed on an intermediate plane within saidthe one-piece substrate.
- 14. (Currently Amended) The device of claim 11, wherein saidthe retaining portion of saidthe aperture extends through saidthe one-piece substrate and opens onto saidthe opposing, second surface of saidthe one-piece substrate and saidthe at least one conductive trace is formed on saidthe opposing, second surface of saidthe one-piece substrate.
- 15. (Currently Amended) The device of claim 9, further comprising a volume of conductive filler material disposed in and filling at least a partial depth at least a portion of a longitudinal extent of saidthe aperture within which the base portion extends and electrically

contacting saidthe base portion of saidthe spring contact.

- 16. (Currently Amended) The device of claim 15, wherein saidthe conductive filler material is electrically connected to saidthe at least one conductive trace of saidthe one-piece substrate.
- 17. (Currently Amended) The device of claim 16, wherein saidthe at least one conductive trace is formed on an intermediate plane within saidthe one-piece substrate.
- 18. (Currently Amended) The device of claim 16, wherein saidthe retaining portion of saidthe aperture extends through saidthe one-piece substrate and opens onto saidthe opposing, second surface of saidthe one-piece substrate and saidthe at least one conductive trace is formed on saidthe opposing, second surface of saidthe one-piece substrate.
  - 19. (canceled)
- 20. (Currently Amended) The device of claim 9, wherein saidthe second end of saidthe retaining portion opens onto saidthe opposing, second surface of saidthe one-piece substrate.
- 21. (Currently Amended) The device of claim 9, wherein saidthe seat portion comprises a generally hemispherical recess formed in saidthe first surface of saidthe one-piece substrate, a generally conical recess formed in saidthe first surface of saidthe one-piece substrate, or a generally cylindrical recess formed in saidthe first surface of saidthe one-piece substrate.
- 22. (Currently Amended) The device of claim 9, wherein saidthe seat portion is further configured to at least partially align saidthe lead element of saidthe IC device relative to saidthe spring contact.

23. (Currently Amended) The device of claim 9, wherein saidthe contact portion of saidthe spring contact comprises a resiliently compressible coil spring having at least two spring coils for contacting portions thereof and wherein each of the at least two spring coils is configured to bias against and electrically contact saidthe lead element of saidthe IC device.

## 24-41. (canceled)

- 42. (withdrawn) The device of claim 9, wherein saidthe resiliently compressible coil spring of saidthe contact portion further comprises at least one point for penetrating an outer surface of saidthe lead element of saidthe IC device.
- 43. (withdrawn) The device of claim 9, wherein saidthe resiliently compressible coil spring of saidthe contact portion further comprises a contact element selected from the group consisting of a sharp edge formed by a cross-section of saidthe resiliently compressible coil spring, a blade extending longitudinally along a surface of saidthe resiliently compressible coil spring, a blade extending circumferentially around a surface of saidthe resiliently compressible coil spring or a barb protruding from a surface of saidthe resiliently compressible coil spring.
- 44. (withdrawn) The device of claim 9, further comprising a clamping element configured to secure saidthe IC device to saidthe first substantially planar surface of saidthe substantially planar substrate.
- 45. (withdrawn) The device of claim 44, wherein saidthe clamping element comprises a stab-in-place clip.
- 46. (New) The device of claim 9, wherein the contact portion of the spring contact exhibits at least one of a substantially cylindrical shape, a conical shape, and a hemispherical shape.

- 47. (New) The device of claim 9, wherein the contact portion of the spring contact includes an apex positioned for contacting the lead element of the IC device.
- 48. (New) The device of claim 9, wherein the base portion of the spring contact is sized to extend, at most, partially into the retaining portion of the aperture.
- 49. (New) The device of claim 15, wherein another longitudinal extent of the aperture is free from the conductive filler material.
- 50. (New) The device of claim 23, wherein an interior size of the aperture exceeds, along the longitudinal extent thereof, a cross-sectional size of a material forming the spring contact.